



● GENERAL FEATURES

- 5 W (136-174 MHz) Model
- 512 CH-GID / 128 Zones
- 12-Key Keypad Model
- 14 Character Alphanumeric Aliases
- Backlit Dot Matrix LCD
- Function/Status LCD Icons
- Multi-Language Display
- Date & 12/24 Hour Time Clock
- Transmit/Busy/Call Alert/Warn LED
- On/Off Volume Knob
- 6 Front PF & Menu Keys
- 2 Side PF Keys
- Emergency/AUX Key
- 500 mW Speaker Audio
- Built-In GPS Unit
- KPG-111D Windows® FPU
- Flash Firmware Upgrading
- MIL-STD-810 C/D/E/F/G
- MIL-STD "Driven-Rain"
- IP54/55 Water & Dust Intrusion
- PC Serial Interface
- SDM Manual Input¹
- Transparent Data Mode¹
- VGS-1 Voice Guide/Voice & GPS Data Storage Option

● DIGITAL – GENERAL

- NXDN® Digital Air Interface
- AMBE+2™ VOCODER
- 6.25 & 12.5 kHz Channels
- Over-the-Air Alias
- Over-the-Air Programming
- Paging Call
- Emergency Call
- All Group Call
- Status Messaging¹
- Remote Stun/Kill¹
- Remote Check¹
- Short & Long Data Messages¹
- GPS Location with Voice¹
- NXDN® Scrambler Included
- DES Encryption Module Option
- AES & DES Encryption Module Option
- AES/DES Software Key Loader Option

● DIGITAL – CONVENTIONAL MODE

- 64 Radio Access Numbers (RAN)
- Individual & Group Selective Call
- Mixed FM/Digital Operation
- Conventional IP Networks
- Site Roaming

● DIGITAL – TRUNKING MODE

- Individual Private Call
- Group Call & Broadcast Call
- Transmission Trunked Mode²
- Message Trunked Mode²
- Call Queuing with Priority²
- Late Entry (UID & GID)²
- 4 Priority Monitor ID's²
- Remote Group Add¹
- Failsoft Mode

● MULTI-SITE IP NETWORKS COMPATIBLE

- 60,000 GIDs / UIDs
- Wide Area Group Call
- Auto Roaming Registration
- Group Registration

● MULTI-SYSTEM COMPATIBLE

- 8 Trunked Networks³
- UID Lists for each network

● SCAN

- Single Zone / Multi-Zone / List Scan
- Dual Priority Scan (Conventional)

● ANALOG MODES – GENERAL

- 12.5 & 25 kHz Channels
- Conventional & LTR® or MPT Zones
- FleetSync®/II, MDC-1200, DTMF
- QT / DQT Two Tone (Conventional Zones Only)
- Voice Inversion Scrambler
- Analog Scrambler Board Capability

● MPT ZONES*

- Single-Site Trunking
- Multi-Site Network Trunking
- 8 Network Capacity
- Network Roaming / Registration

● FleetSync®/II

- PTT ID ANI / Caller ID
- Selective / Group Call
- Emergency, Status & Text Messages¹

● MDC-1200

- PTT ID ANI / Caller ID
- Emergency, Radio Check & Inhibit

* Future Availability

Options

■ KNB-33L

Li-ion Battery
(2000mAh)

■ KNB-43L

Li-Polymer Battery
(3300mAh)

■ KNB-49PL

Primary Lithium Battery
(4500mAh)

■ KNB-54N

Ni-MH Battery
(2500mAh)

■ KBP-6

Alkaline Battery Case

■ KSC-32

Rapid Rate Charger
for Ni-Cd/Ni-MH/Li-ion



■ KSC-326

Rapid Rate Six Unit Charger
for Ni-Cd/Ni-MH/Li-ion

■ KVC-15

Rapid Rate Vehicular
Charger Adapter for KSC-32

■ KVC-18

D.C. Vehicular Charger

■ KRA-43G

VHF GPS Helical Antenna

■ KRA-26

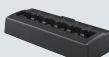
VHF Whip Antenna

■ KRA-16

VHF Stubby Antenna

■ KRA-25

VHF High Gain Antenna



■ KMC-41M

MIL-STD & IP 54/55
Speaker Microphone

■ KEP-1

Heavy Duty Earphone

■ KHS-11BL

2-Wire Mini Lapel
Mic. with Earphone

■ KHS-12BL

3-Wire Mini Lapel
Mic. with Earphone

■ KHS-14

Lightweight Single
Muff Headset



■ KHS-15-BH

Over-the-Head
Heavy Duty Headset

■ KHS-15-OH

Behind-the Head
Heavy Duty Headset



■ VGS-1

Voice Guide
& Storage Unit



■ KBH-11

Belt Clip (2.5")



■ KLH-154K2

Heavy Duty Leather
Carrying Case



Main Specifications

All accessories and options may not be available in all markets.
Contact an authorized Kenwood dealer for details and complete list of all accessories and options.

GENERAL		NX-210
Frequency Range		136-174 MHz
Number of Channels		512
Zones		128
Max. Channels per Zone		250
Channel Spacing	Analog/Digital	12.5 / 15 / 25 / 30 kHz (6.25 / 12.5 kHz)
Operating Voltage		7.5V DC \pm 20%
Battery Life (5-5-90)	with KNB-33L with KNB-54N	More than 11 hours More than 14 hours
Battery Life (10-10-80)	with KNB-33L with KNB-54N	More than 7 hours More than 9 hours
Operating Temperature Range		-22° F to +140° F (-30° C to +60° C)
Frequency Stability		\pm 2.0 ppm
Antenna Impedance		50 Ω
Dimensions (W x H x D)	Radio only with KNB-33L with KNB-54N	2.28 x 5.46 x 0.88 in (58 x 138.8 x 22.4 mm) 2.28 x 5.46 x 1.35 in (58 x 138.8 x 34.2 mm) 2.28 x 5.46 x 1.60 in (58 x 138.8 x 40.7 mm)
Weight (net)	Radio only with KNB-33L with KNB-54N	9.52 oz (270 g) 13.93 oz (395 g) 19.58 oz (555 g)
FCC ID		ALH423500
IC Certification		282D-423500

FleetSync® is a registered trademark of JVCENWOOD Corporation.
LTR® is a registered trademark of Transcript International.
AMBE+2™ is a trademark of Digital Voice Systems Inc.
Windows® is a registered trademark of Microsoft Corporation.
NXDN® is a registered trademark of JVCENWOOD Corporation and Icom Inc.
NEXEDGE® is a registered trademark of JVCENWOOD Corporation.

Footnotes from front:
¹ Requires compatible PC software application or console.
² These trunked features are primarily system programming and operational dependent. Priority Monitor also requires NX subscriber settings.
³ Up to 8 different Trunked networks can be configured per radio (each in a zone)

RECEIVER		NX-210
Sensitivity	Digital @ 6.25kHz (3% BER) Digital @ 12.5kHz (3% BER) Analog (12 dB SINAD)	0.20 μ V 0.25 μ V 0.25 μ V
Selectivity	Analog @ 25 kHz Analog @ 12.5 kHz	72 dB 65 dB
Intermodulation Distortion	Analog	70 dB (\pm 50,100 kHz)
Spurious Response	Analog	70 dB
Audio Distortion		Less than 3%
Audio Output		500 mW / 8 Ω
TRANSMITTER		
RF Power Output		5 W / 1 W
Spurious Response		70 dB
FM Hum & Noise	Analog @ 25 kHz Analog @ 12.5 kHz	45 dB 40 dB
Audio Distortion		Less than 3%
Modulation		16K0F3E, 11K0F3E, 8K30F1E, 8K30F1D, 8K30F7W, 4K00F1E, 4K00F1D, 4K00F7W, 4K00F2D
GPS*		
Time to First Fix	Cold Start Hot Start	< 60 Seconds < 10 Seconds
Horizontal Accuracy		< 10 Meters
Channels		50 Channels
Tracking Sensitivity		-162 dBm

Analog measurements made per TIA/EIA 603 and specifications shown are typical.
Specifications are subject to change without notice, due to advancements in technology.

*Accuracy specs are for long-term tracking (95th percentile values > 5 satellites visible at a nominal -130 dBm signal strength)

Applicable MIL-STD & IP

MIL Standard	MIL 810C Methods/Procedures	MIL 810D Methods/Procedures	MIL 810E Methods/Procedures	MIL 810F Methods/Procedures	MIL 810G Methods/Procedures
Low Pressure	500.1/Procedure I	500.2/Procedure I, II	500.3/Procedure I, II	500.4/Procedure I, II	500.5/Procedure I, II
High Temperature	501.1/Procedure I, II	501.2/Procedure I, II	501.3/Procedure I, II	501.4/Procedure I, II	501.5/Procedure I, II
Low Temperature	502.1/Procedure I	502.2/Procedure I, II	502.3/Procedure I, II	502.4/Procedure I, II	502.5/Procedure I, II
Temperature Shock	503.1/Procedure I	503.2/Procedure I	503.3/Procedure I	503.4/Procedure I, II	503.5/Procedure I
Solar Radiation	505.1/Procedure I	505.2/Procedure I	505.3/Procedure I	505.4/Procedure I	505.5/Procedure I
Rain	506.1/Procedure I, II	506.2/Procedure I, II	506.3/Procedure I, II	506.4/Procedure I, III	506.5/Procedure I, III
Humidity	507.1/Procedure I, II	507.2/Procedure II, III	507.3/Procedure II, III	507.4	507.5/Procedure II
Salt Fog	509.1/Procedure I	509.2/Procedure I	509.3/Procedure I	509.4	509.5
Dust	510.1/Procedure I	510.2/Procedure I	510.3/Procedure I	510.4/Procedure I, III	510.5/Procedure I
Vibration	514.2/Procedure VIII, X	514.3/Procedure I	514.4/Procedure I	514.5/Procedure I	514.6/Procedure I
Shock	516.2/Procedure I, II, V	516.3/Procedure I, IV	516.4/Procedure I, IV	516.5/Procedure I, IV	516.6/Procedure I, IV
International Protection Standard					
Dust & Water Protection	IP54/55				

*To meet MIL810 and IP grade, the 2-pin connector has to be connected.

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